

Attachment 7
Proposed Sampling and Analytical Methods for the Building Sampling Program

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I. Proposed Sampling Scheme				
Type of Location	Locations	Samples to be collected	Description	Number of Samples
Accessible	1 a counter or table top, 2 floor or carpet in the main entrance used for access and egress from the building, 3a floor or carpet in the center of the most frequently used room or play area for children under the age of six; or 3b floor or carpet in a route of high traffic flow (i.e., stairs, hallway, etc.) if no children	1 microvac, 1 PAH wipe, 1 Metal Wipe at each of the locations	microvac sample analyzed for MMVF, asbestos, PAH wipe for suite of congeners, Metal wipe for metals suite,	scaled to floor area as follows: <1000sf = 3 samples, >1000 <5000sf =5samples, >5000sf =7 samples, >10000sf =10 samples
Infrequently Accessed	On top of an infrequently cleaned object such as a refrigerator, bookcase or high chest of drawers, or other infrequently cleaned object	1 microvac, 1 PAH wipe, 1 Metal Wipe at each of the locations	microvac sample analyzed for MMVF, asbestos, PAH wipe for suite of congeners, Metal wipe for metals suite,	scaled to floor area as follows: <1000sf = 3 samples, >1000 <5000sf =5samples, >5000sf =7 samples, >10000sf = 10 samples
Inaccessible	sample behind, below or above infrequently moved objects	1 composite HEPA	HEPA sample analyzed for MMVF, asbestos, PAH suite of congeners, metals suite, and signature	scaled to floor area as follows: <1000sf = 3 locations, >1000 <5000sf =5 locations, >5000sf =7 locations, >10000sf only one composite regardless of area
HVAC	Inlet	one HEPA	HEPA composite sample analyzed for MMVF, asbestos, PAH suite of congeners, metals suite, and signature	assume 1 per bldg
	Filter	1 Bulk Sample	Bulk sample analyzed for asbestos, MMVF, PAH suite, metals suite and signature,	assume 1 per bldg
	Mixing Plenum or other dead zone on each floor sampled	one HEPA	HEPA composite sample analyzed for MMVF, asbestos, PAH suite of congeners, metals suite, and signature	assume 1 per bldg
	Outlets in unit where samples are collected.	one HEPA	HEPA composite sample analyzed for MMVF, asbestos, PAH suite of congeners, metals suite, and signature	assume 1 per bldg

II. Analytical Parameters for Each Sample

Sample	Analytical Parameters	Sampling Method	Description	Analytical Method	Benchmarks
Metal Wipe	Lead	HUD Appendix 13.1	Wipe Samples.	SW-846 6010B	Accessible loading 40 µg/ft ² Infrequently Accessed loading 400µg/ft ²
PAH Wipe	PAHs	ASTM D 6661-01	Wipe Samples.	ASTM 6661-01/SW-846 8270C	Accessible loading 150 µg/m ² Infrequently Accessed loading 1.5 mg/m ²
Microvac	Asbestos	ASTM D 5755-95	Microvac sample	ASTM D 5755-95	Accessible loading 5000 structures/cm ² , Infrequently Accessed/HVAC 100000 structures/cm ²
	MMVF	ASTM D 5755-95	Microvac sample	SEM/EDS	Accessible loading 5000 structures/cm ² , Infrequently Accessed/HVAC 100000 structures/cm ²
HEPA and Bulk Samples	Asbestos/MMVF	Bulk	HEPA and HVAC unit filters (collection of bulk dust sample from inaccessible areas, inlets,air filters,mixing plenums and outlets).	PLM NYS 198.1 followed by TEM NYS 198.4	None
	Lead	Bulk	HEPA and HVAC unit filters (collection of bulk dust sample from inaccessible areas, inlets,air filters,mixing plenums and outlets).	SW-846 6010B	None
	PAHs	Bulk	HEPA and HVAC unit filters (collection of bulk dust sample from inaccessible areas, inlets,air filters,mixing plenums and outlets).	SW-846 8270	None
	Signature	Bulk	HEPA and HVAC unit filters (collection of bulk dust sample from inaccessible areas, inlets,air filters,mixing plenums and outlets).	SEM/EDS	None